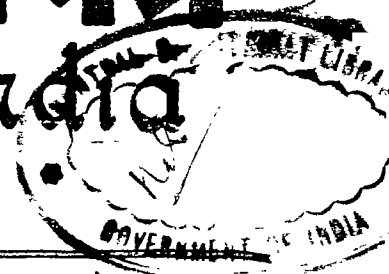


भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY



सं० 12] नई दिल्ली, शनिवार, मार्च 18, 2000 (फाल्गुन 28, 1921)
No. 12] NEW DELHI, SATURDAY, MARCH 18, 2000 (PHALGUNA 28, 1921)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 18th March 2000

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1—507 GI/99

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and Aminidivi Islands.

Telegraphic address "PATENTOFIS"

Phone No. 490 1495
Fax No. 044 490 1492

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th and 7th
Floors, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"

Phone No. 247 4401
Fax No. 033 247 3851

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and the Patents (Amendment) Act, 1999 or the Patents Rules, 1972 as amended by The Patents (Amendment) Rules, 1999 will be received only at the appropriate offices of the Patent Office.

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एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 18 मार्च 2000

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार ज्ञान के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोंडी इस्टेट,
तीसरा तल, लोअर पारेल (प.),
मुम्बई-400013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं मंच
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता - "पेटेंटोफिस"

फोन : 482 5092 फैक्स : 022 4950 622

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटोफिस"

फोन : 578 2532 फैक्स : 011 576 6204

पेटेंट कार्यालय शाखा,
विंग "सी" (सी-4, ए),
तीसरा तल, राजाजी भवन,
बसन्त नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु,
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्काय
तथा एमिनिदिक् द्वीप ।

तार पता - "पेटेंटोफिस"

फोन : 490 1495 फैक्स : 044 490 1492

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहत्तलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020 ।

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंटोफिस"

फोन : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय को केवल समुचित कार्यालय में ही प्रेषण किये जायेंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जायगी अथवा जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान की दानसूचित बैंक से नियंत्रक को भगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा सकती है ।

CORRIGENDUM

The date of complete after Provisional of Patent Application No. 968/Del/91 may be corrected as under :—

The date of filing of Patent Application No. 968/Del/91 dated 07-10-91 and the date of filing of Complete after Provisional is 19-08-92 not 09-11-92 as published in the Gazette of India, Part III Section 2 dated 01-01-2000 at pages 9 & 10.

APPLICATION FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATE THIRD FLOOR, SUN-MILL COMPOUND LOWER PAREL (WEST), MUMBAI-400013

6-12-1999

892/Bom/1999. Shirish Bhailal Patel "A Method & Device for Economizing on the use of Fuel Cooking Food".

893/Bom/1999. Void "Void".

894/Bom/1999. Hindustan Lever Limited "Detergent Composition".

895/Bom/1999. Ahmedabad Textile Industrys Research Association "An electrostatic Precipitator Sampler".

7-12-1999

896/Bom/1999. Sony Corporation "Outputting Apparatus Outputting Method Recording Apparatus, Recording Method, Reproduction Apparatus, Reproduction Method and Recording Medium". Priority dts. 11-12-98 and 28-12-98 (Japan).

8-12-1999

897/Bom/1999. Sudhir Hanie "New Methods/Processes for Salvage and/or Reclamation/Recovery of the Moulding/Forining-Sand-Waste, and the New Products made therefrom. Such as New Variety of Sand and New Variety of the Cement Concrete or Cement Mortar and the Like".

898/Bom/1999. "Void".

899/Bom/1999. Honda Giken Kogyo Kabushiki Kaisha "Handlebar". Priority dts. 29-1-1999 and 11-05-99 (Japan).

900/Bom/1999. Ashok Madhav Soman and Aparna Ashok Soman "An improved natural manure producing process for converting city garbage using nitrogen and phosphate fixing bacteria, Vermi culture and slaughter waste".

901/Bom/1999. Dr. Patil Moreshwar Madhaorao "Physiological Gold Prosthesis with Joint".

902/Bom/1999. Hindustan Lever Limited "Improved Process for Detergent Bar Manufacture".

903/Bom/1999. Hindustan Lever Limited "Improved Detergent Bar Composition".

904/Bom/1999. Hindustan Lever Limited "A Process of Preparing a Detergent Bar Composition".

905/Bom/1999. Hindustan Lever Limited "Improved Detergent Bar Composition".

906/Bom/1999. Hindustan Lever Limited "Improved Detergent Bar Composition and a process for Manufacture".

907/Bom/1999. Hindustan Lever Limited "Improved Process for Detergent Bar Manufacture".

908/Bom/1999. Hindustan Lever Limited "Improved Detergent Bar Composition".

9-12-1999

909/Bom/1999. Pirelli Cavi E Sistemi S.P.A. "Method and Apparatus for Forming an Optical Fiber Preform by Combustionless Hydrolysis". Priority dt. 17-12-98 (Europe).

910/Bom/1999. Pirelli Cavi E Sistemi S.P.A. "Method for Winding A Fibre Element having Different Longitudinal Portions". Priority dt. 23-12-98 (Europe).

911/Bom/1999. Suresh Takle "Improvement in or Relating to Screen Printing Machines".

10-12-1999

912/Bom/1999. Mr. Mhatre Purushottam Bhaskar "Optical RPM Sensing Probe".

913/Bom/1999. Bayear Aktiengesellschaft "Active Compound Combinations". Priority dt. 16-12-98 (Germany).

914/Bom/1999. Pirelli Cavi E Sistemi S.P.A. "Process for Producing Silica by Decomposition of an Organosilane". Priority dt. 28-12-98 (Europe).

915/Bom/1999 Gohsyu Corporation. "Full Enclosed Forging Apparatus". Priority dts. 14-12-98 and 10-05-99 (Japan).

13-12-1999

916/Bom/1999. Alstom, A French Company "A Hermetically Sealed Current Feedthrough for Outdoor Electrical Gear". Priority dt. 18-12-98 (France).

14-12-1999

917/Bom/1999. Zeneca Limited a British Company "Chemical Compounds". Priority dt. 15-12-98 (United Kingdom).

918/Bom/1999. ABB Alstom Power Compustion "A Burner Wind Box with Nozzles that can be Pointed by a Common Ink". Priority dt. 18-12-98 (France).

919/Bom/1999. Praxair Technology Inc. "Process for Continuous Heating and Cleaning of Wire and Strip Products in a Stratified Fluidized Bed".

15-12-1999

920/Bom/1999. Multibras S. A. Electrodomesticos "A Deflector Arrangement for Air Currents inside a Refrigerator". Priority dt. 20-05-99 (Brazil).

921/Bom/1999. Mul-T-Lock Technologies Ltd., an Israel Company "Lock Assembly". Priority dt. 18-12-98 (Israel).

922/Bom/1999. Valeo a French Company "Dry Friction Clutch Linear Crowns, and Methods of making them".

923/Bom/1999. M/s. Alembic Limited "A Process of producing Nimegesic Injection".

924/Bom/1999. M/s. Alembic Limited "A Process of Producing Nimegesic solubalised instant release tablets".

925/Bom/1999. Shelke Satish Bharat "Flour Mill Continuous type as attachment to Domestic Mixer".

16-12-1999

926/Bom/1999. Hindustan Lever Limited "Improved Process of Detergent Manufacture".

927/Bom/1999. Kantilal Karashanbhai Kaneriya "A Single Seed Sowing Maching".

928/Bom/1999. Martin Isaac "A Self Contained Container/Bottle for Automatically Blending & Dispensing Mixtures such as Hair Dye/Cocktail Etc., Instantaneously".

929/Bom/1999. Amrut Balwant Mantri "A Zero Phase Sequence and Earth Break Detecting Single Phasing Preventor Agrolec Based using A Precision three Phase 440 Volts AC 50/60 HZ Miniature Transformer made of a High Permeability five Limbs Magnetic Core and a set of Coils".

17-12-1999

930/Bom/1999. Pfizer Products Inc. "Ketolide Antibiotics". Priority dt. 27-1-99 (U.S.A.).

931/Bom/1999. Alstom a French Company "A Device for interlocking the Manual Actuation of a Switch with the Help of Locks". Priority dt. 18-12-98 (France).

932/Bom/1999. BP Chemicals Limited a British Company "Apparatus for Introducing Fluid into a Process Stream". Priority dt. 26-1-99 (United Kingdom).

ALTERATION OF DATE UNDER SECTION—16

183671
(81/Cal/99) Antedated to 20th Dec. 1994.

183688
(1650/Mas/97) Ante-dated to 8th November 1994.

183699
(2766/Mas/97) Ante-dated to 11th October 1996.

183700
(2799/Mas/97) Ante-dated to 15th May 1997.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be

filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबंध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसकी निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अवर बाधित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी विरोध एकत्र को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य दो प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर फाइल कर दिये जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, प्राथमिक वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुक्रम हैं।

विनिर्देश तथा निम्न आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30/- रुपये प्रति की अदायगी पर की जा सकती है।

ऐसी परीक्षणीय में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा निम्न आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित पर्याप्त शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ भन 30/- रुपये की अदायगी पर की जा सकती है।

Cl. : 176 I.

183671

Int. Cl. : F22B 15/00.

A LOW NO_x INTEGRATED BOILER-BURNER APPARATUS.

Applicant : THE BABCOCK & WILCOX COMPANY OF 1010 COMMON STREET, PO BOX 60035, NEW ORLEANS LOUISIANA 70160, U.S.A.

Inventor : RICHARD CHARLES VETTERICK.

Application No. 81/Cal/99 filed on 3-2-99 (Divided out of Application No. 1063/Cal/94 Ante-dated to 20-12-94).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

A low NO_x integrated boiler-burner apparatus, comprising :

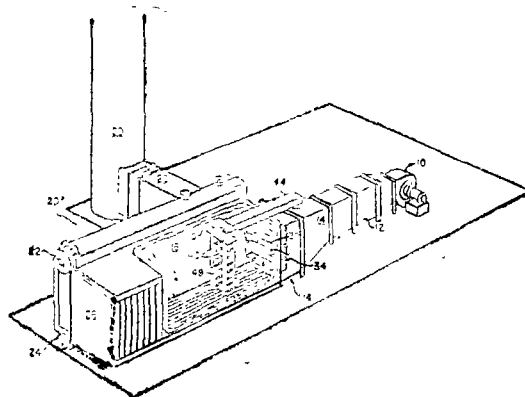
A horizontally fired package boiler having an inlet plenum (14) and a furnace space (18);

a multi-nozzle burner (MNB) array (16) comprising a plurality of vertically and horizontally paced burner nozzles (32) located at an entrance to the furnace space (18) for supplying fuel for combustion into the furnace space (18);

air supply means (10) for providing combustion air to the apparatus;

at least one internal air duct assembly (40) positioned in the furnace space (18) and provided with a plurality of apertures (48) for discharging staging air into the furnace space (18) beyond the MNB array (16);

and fuel supply means (34) for supplying fuel to the MNB array (16).



(Compl. Specn. : 23 pages;

Drgns. : 13 sheets)

Cl. : 143 D 5.

183672

Int. Cl. : B 65 B 21/24.

A WRAPAROUND PACKAGE WITH PERIPHERAL STRAP.

Applicant : THE MEAD CORPORATION, OF COURT-HOUSE PLAZA, NORTHEAST, DAYTON, OHIO 45463 U.S.A.

Inventor : DANIEL JEAN YVES.

Application No. 50/Cal/95 filed on 19th January, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A wraparound package with peripheral strap consisting of a wraparound carton blank (10) and peripheral strap (P) for holding together a plurality of articles, such as bottles (B) so that the accommodated bottles in the carton blank (10) are retained from displacement by a number of retention flaps (b₁, b₂) struck partially from the base panel (12) and also a strap (P) encircling said plurality of bottles; the said

7 Claims

Lubricating grease composition, comprising a lubricating base oil and a polymeric thickener, the polymeric thickener comprising a high molecular weight component and a low molecular weight component, characterized in that the thickener comprises a mixture of (1) a (co-or homo-) polymer of propylene with a weight average molecular weight $> 200,000$ and (2) a (co-or homo-) polymer of propylene with a weight average molecular weight $\leq 100,000$.

(Compl. Specn. : 17 pages;

Drgns. : 2 sheets)

Cl. : 206 E.

183676

Int. Cl. : H 04 B 05/04.

PAGING RECEIVER.

Applicant : KONINKLIJKE PHILIPS, ELECTRONICS N. V., GROENEWOUDSEWEG 1, 5621 BA EINDHOVEN, THE NETHERLANDS.

Inventors :

1. GERRIT HENDRIK HOFMEESTER
2. HOHANNES ANTONIUS MARIA KEMP

Application No. 1156/Cal/95 filed on September 26th 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A paging receiver (14, 20, 30), comprising receiving means (140) for receiving a message, 'decoder means' (141, 142) for selecting symbols, in dependence on the message, from a predetermined set of symbols, and reproduction/display means (143) for the visual reproduction of the selected symbols, characterised in that the reproduction/display means (143) are capable of reproducing visually at least a part of the symbols as pictograms in predetermined locations on a display panel (22, 23) so as to be situated relative to one another as in a two-dimensional scene, and comprise a display panel (22, 32) containing a number of digits (24-1 5) and a number of visual symbols (26a-f) for displaying thereon each visual symbol of said part corresponding to a predetermined, unique own position thereof, regardless of the message, and that the reproduction/display means (143) are capable of displaying each selected visual symbol in its predetermined, unique own position on said display panel.

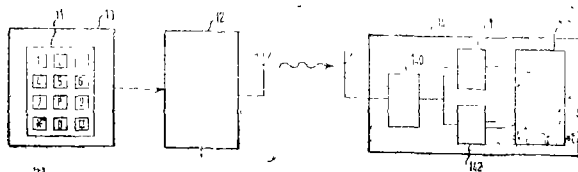


FIG. 1

(Compl. Specn. : 9 pages;

Drgns. : 3 sheets)

Cl. : 146 D1.

183677

Int. Cl. : G 02 B 26/02, 5/08.

ARRAY OF THIN FILM ACTUATED MIRRORS AND METHOD FOR THE MANUFACTURE THEREOF.

Applicant : DAEWOO ELECTRONICS CO., LTD., OF 541, 5-GA, NAMDAEMOON-RO, JUNG-GU, SEOUL, REPUBLIC OF KOREA.

Inventor : YONG-KI-MIN.

Application No. 1266/Cal/91 filed on October 18th, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

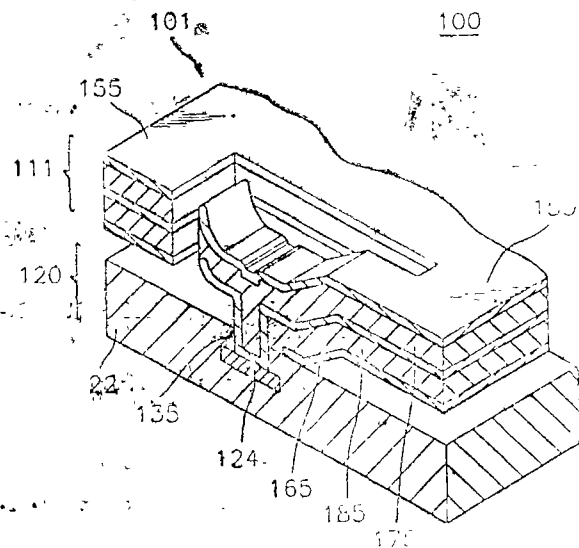
11 Claims

An array of $M \times N$ thin film actuated mirrors 101, wherein M and N are integers, each of the thin film actuated mirrors 101 having a bimorph structure, the array 100 comprising :

an active matrix 120 having a top surface and including a substrate 122 with an array of $M \times N$ connecting terminals 124; and

an array of $M \times N$ actuating structures 111, each of the actuating structures 111 having a proximal and a distal ends, each of the actuating structures 111 including a second thin film electrode 165 for functioning as a second bias electrode, a lower electrodisplacive member 185 having a top and a bottom surface, an intermediate thin film electrode 135 for functioning as a signal electrode, an upper electrodisplacive member 175 having a top and a bottom surfaces and a first thin film electrode 155 for functioning as a mirror as well as a first bias electrode, wherein the upper and the lower electrodisplacive members 175, 185 are made of a crystallographically asymmetric material and separated by the intermediate thin film electrode 135, the first thin film electrode 155 made of an electrically conducting and light reflecting material which is placed on the top surface of the upper electrodisplacive member 175, the second thin film electrode 165 made of second electrically conducting material which is located on the bottom surface of the lower electrodisplacive member 185, the intermediate thin film electrode 135 made of first electrically conducting material which is electrically connected to each of the connecting terminals 124, and the proximal end of each of the actuating structures 111 is attached to the top surface of the active matrix 120 to thereby form the thin film actuated mirror 101 having the bimorph structure.

FIG. 2



(Compl. Specn. : 22 pages;

Drgns. : 10 sheets)

Cl. : 32 F 2 (b), 55 E 4.

183678

Int. Cl. : A 61 K 31/425, C 7 D 277/02.

PREPARATION OF SUBSTITUTED THIAZOLES.

Applicant : FINE ORGANICS LIMITED, OF SEAL SANDS, MIDDLESBROUGH, CLEVELAND TS2 1UB, ENGLAND.

Inventors :

1. ARTHUR JACKSON, GRAHAM HEYES, JAMES
2. IAN GRAYSON
3. RUSSELL CLARKE.

Application No. 1508/Cal/96 filed on August 26th, 1996.
(Conventional No. 95/8824.9 on 14-9-95 in U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

13 Claims

A process for the preparation of a substituted thiazole, which comprises reacting an isothiocyanate compound of the general formula



wherein the symbol Hal represents a chlorine or bromine atom and the symbols R₁ and R₂ each represents a hydrogen atom or an alkyl group containing from 1 to 3 carbon atoms, in solution in a suitable solvent such as herein with a chlorinating or brominating agent.

(Compl. Specn. : 17 pages;

Drgn. : nil)

Cl. : 5 A.

183679

Int. Cl.⁴ : H 01 G 1/04.

A NEW BED FOR MUSHROOM CULTIVATION BY UTILISING BIOGAS WASTE SLURRY AND STRAW FOR IMPROVED MUSHROOM CULTIVATION.

Applicant : INDIAN COUNCIL OF AGRICULTURAL RESEARCH (NATIONAL INSTITUTE OF RESEARCH ON UITE & ALLIED FIBRE TECHNOLOGY), 12 REGENT PARK, CALCUTTA-700040, WEST BENGAL, INDIA.

Inventor : DR. SHYAMAL BANIK.

Application No. 72/Cal/98 filed on 15th January, 1998.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A new bed for mushroom cultivation by utilising biogas waste slurry and straw for improved mushroom cultivation comprises :

- (a) Air dried solid mass (bio-manure) of biogas waste slurry and grind the same to powder form if necessary.
- (b) The same and the straw is disinfected separately by soaking them in hot water in presence of potassium permanganate and formalin solution.
- (c) Alternate layers of thus treated straw and bio-manure is placed to prepare the bed after removing excess water.
- (d) The whole bed is covered with polythene sheet after seeding.

(Compl. Specn. : 15 pages;

Drgn. : nil)

Cl. : 123.

183680

Int. Cl.⁴ : C 05 D 3/02.

A METHOD FOR THE PREPARATION OF A COMPOSITION FOR ENHANCING THE PHOTOSYNTHESIS OF HORTICULTURAL CROPS.

Applicant : ENGEI HARD CORPORATION, 191 WOOD AVENUE, ISELIN, NEW JERSEY 08830-0770, UNITED STATES OF AMERICA.

Inventors :

1. D. MICHAEL GLENN,
2. DENNES G. SEKVITOWSKI
3. GARY J. PUTERKA

Application No. 325/Cal/98 filed on 27th February, 1998.
(Conventional No. 08/812,301; on 5-3-97; in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A method for the preparation of a composition for enhancing the photosynthesis of horticultural crops comprising :

mixing water and an effective amount of one or more highly reflective particulate materials to provide the composition, wherein the highly reflective particulate materials having a Block Brightness of at least 80% are selected from calcium carbonate, talc, mica, kaolin, bentonite, clays, pyrophyllite, silica, feldspar, sand, quartz, chalk, limestone, diatomaceous earth, barite, aluminium trihydrate, titanium dioxide and mixtures thereof, characterised by said particulate materials being finely divided and having a particle size distribution wherein upto 90% of the particles have a particle size of under 10 microns, and wherein the particles as applied allow for the exchange of gases on the surface of said crop.

(Compl. Specn. : 22 pages;

Drgn. : nil)

Ind. Cl. : 49 A & 49 E

183681

Int. Cl.⁴ : A 21 D 2/02.

A DRY LEAVENING COMPOSITION FOR CONVENTIONAL DOUGH PRODUCT.

Applicant : SOLUTIA INC., 10300 OLIVE BOULEVARD, P.O. BOX 67760, ST. LOUIS, MISSOURI 63166-6760, USA.

Inventors :

1. BARBARA B. HEIDOLPH
2. LOUIS A. HIGHFILL.

Application No. 286/Mas/1997 filed on 12th February 1997.

(Convention No. 08/603,301 on 20-2-96 in USA).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A dry leavening composition for conventional dough products, said composition comprising at least one carbonate factor selected from sodium bicarbonate, stabilized X-ray amorphous calcium carbonate, ammonium bicarbonate, potassium carbonate and/or encapsulated bicarbonate, and hemipotassium phosphate of the formula KH₂(PO₄), said composition optionally containing known leavening acids, the weight ratio of hemipotassium phosphate to said carbonate factor being in the range of 0.91 to 1.49.

(Compl. Specn. 20 Pages;

Drngs. Nil Sheet)

Ind. Cl. : 54 & 32 F 3(d)

183682

Int. Cl.⁴ : C 12 P 7/22, C 07 C 50/12.

A PROCESS FOR THE PRODUCTION OF A BIOACTIVE COMPOUND PLUMBAGIN.

Applicant : TOPICAL BOTANIC GARDEN AND RESEARCH INSTITUTE, PALODE, THIRUVANANTHAPURAM 695 562, KERALA, INDIA, INDIAN RESEARCH INSTITUTION.

Inventors :

1. DR. K. SATHEESH KUMAR
2. DR. S. BEENI
3. DR. P. PUSHPANGADAN.

Application No. 342/Mas/1997 filed on 20th February 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A process for the production of the bioactive compound, 5-hydroxy 2-methyl 1, 4-naphthoquinone (Plumbagin) adapting in vitro root culture system comprising the steps of :

- Raising of aseptically shoot culture from field grown 10-12 month old plant by surface sterilization of tender stem segments and culturing in Murashige-Skoog agar nutrient medium (pH 5.8) containing 3% sucrose and 2 mg/l 6-benzylaminopurine in a known manner,
- Initiation of roots by culturing the young leaf segments of the above shoot culture in root initiation medium as herein described for 20 days,
- After the root initiation, reculturing the leaf segments with the roots initiated upon for 10 days in fresh root initiation medium to promote further growth of the roots,
- Transferring the dissected-out from the said root initiation medium and culturing in growth medium as herein described for 6 weeks to achieve growth and multiplication of the roots,
- Transferring the grown up and multiplied roots, as described above, to the production medium, as herein described, and culturing for about 45 days to render the roots senescent and aged to release the compound into the production medium thereby facilitating a single solvent (chloroform) extraction and purification of the said bioactive plumbagin from the nutrient medium itself as described herein.

(Compl. Specn. 12 Pages;

Drugs. Nil Sheet).

Ind. Cl. : 83 A 1

183683

Int. Cl.⁴ : A 23 L 1/40.

A PROCESS FOR THE MANUFACTURE OF VALUE ADDED INSTANT MUSHROOM SOUP POWDER.

Applicant : TOPICAL BOTANIC GARDEN AND RESEARCH INSTITUTE, PALODE, THIRUVANANTHAPURAM 695 562, KERALA, INDIA, INDIAN RESEARCH INSTITUTION.

Inventors :

1. THERUVETH KOSHY ABRAHAM
2. KUNNATHULLY BALAN VRINDA
3. NEDIYAPRAMBU SUKUMARAN PRADEEP
4. PALPU PUSHPANGADAN.

Application No. 343/Mas/97 filed on 20th February 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A process for the manufacture of value added instant Mushroom soup powder comprising drying the mushroom at a temperature between at 8 Degree Celsius to 11 Degree Celsius under refrigeration for about 24 hours followed by further drying in an air circulated oven at a controlled temperature of 50—55 Degree Celsius for about 12-hours, powdering the said dried mushroom to a desired grain size in a grinding unit, blending the said mushroom with the following ingredients to avoid granulation to get the said soup powder the values mentioned against each ingredient are its percent by weight of the said value instant Mushroom soup powder :

- | | |
|---|------|
| (i) Mushroom powder (as prepared above) | — 10 |
| (ii) Corn Flour | — 21 |
| (iii) Hydrogenated oil | — 8 |
| (iv) Onion powder | — 5 |

- | | |
|-------------------------|------|
| (v) Potato powder | — 4 |
| (vi) Carrot powder | — 2 |
| (vii) Arrow root powder | — 8 |
| (viii) Sugar | — 4 |
| (ix) Pepper | — 2 |
| (x) Salt | — 8 |
| (xi) Skim Milk powder | — 28 |

(Compl. Specn. 12 Pages;

Drugs. Nil Sheet)

Ind. Cl. : 83-A,

183684

Int. Cl.⁴ : A 23 G 23/00

A 23 L 1/42.

A PROCESS FOR THE MANUFACTURE OF VALUE ADDED MUSHROOM CONFECTIONERY

Applicant : TOPICAL BOTANIC GARDEN AND RESEARCH INSTITUTE, PALODE, THIRUVANANTHAPURAM-695 562, KERALA, INDIA. INDIAN RESEARCH INSTITUTION.

Inventors :

1. THERUVETH KOSHY ABRAHM, (INDIA)
2. PRABHAKARAN PRABHA PREETHA, (INDIA)
- (3) PALPU PUSHPANGADAN, (INDIA).

Application No. 344/Mas/97 dated February 20, 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

A process for manufacture of value added mushroom confectionery comprising of :

- preparation of milk and mushroom cream by sautéing finely cut mushroom pieces in ghee for a duration in the ratio of 8 minutes for 100 grams of mushroom pieces, adding a defined quantity of a mixture of milk and sugar and bringing to boiling temperature, stirring the aforesaid ingredients till they become creamy and viscous, where in the ingredients finely cut mushroom pieces, milk and sugar, are in the ratio of 10 : 50 : 50;
- preparation of mushroom powder by shredding lengthwise fresh mushroom, refrigerating the same for 72 hours and dehydrated in a temperature controlled and air circulated oven at 50—55 degree C so as to make the mushrooms crispy and the water content reduced to less than 10% and grinding the mushrooms dried in the above manner to a fine powder, keeping the temperature of the grinding unit below 55 degrees C. so as to retain its flavor, texture and quality;
- blending defined quantity of the milk and mushroom cream of (a) with mushroom powder of (b) in the ratio of 110 : 1 and heating the aforesaid ingredients at temperature of 125 degree centigrade for sufficient time till the mixture becomes a thick viscous liquid, cooling the mixture in a mould to obtain mushroom confectionary of defined shapes and sizes.

(Compl. Specn. 12 Pages)

Ind. Cl. : 55 E4 183685
 Int. Cl.⁴ : A 61 K 9/14, 31/07, 31/375,
 31/44, 31/59, 31/68 &
 C 07 C 175/00.

A PROCESS FOR THE MANUFACTURE OF A POWDER CONTAINING A PARTICULATE SUBSTANCE.

Applicant : F HOFFMANN—LA ROCHE AG, 124 GRENZACHERSTRASSE, CH-4070 BASEL, SWITZERLAND, A SWISS COMPANY.

Inventors :

1. RAY EDWARD KOWALSKI
2. WILLIAM JOSEPH MERGENS
3. LEONARD JOSEPH SCIALPI.

Application No. 988/Mas/97 filed on 9th May 1997.

Convention date : 14th May 1996 No. 60—017, 568, USSN

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A process for the manufacture of a powder containing a particulate substance selected from carotenoids, fat soluble vitamins, poly unsaturated fatty acids and their known derivatives either alone or in combination, wherein the mean size of the substance particles in said powder is from 0.1 μ m to 0.5 μ m, comprising :

- (a) heating an aqueous suspension containing 10 to 25% by weight of said substance,
 0.1 to 6% by weight of a surfactant,
 optionally 5 to 75% by weight of a known protective colloid,
 all weights relative to the weight of the manufactured powder, at a temperature sufficient to melt said substance;
- (b) homogenizing the suspension containing the melted substance at a pressure in the range of 1,400 to 40,000 psi to obtain said particles of the substance;
- (c) drying the homogenized suspension to obtain said powder containing said particulate substance.

(Compl. Specn. 29 Pages;

Drngs. 2 Sheets)

Ind. Cl. : 55 E2 183686
 Int. Cl.⁴ : A 61 K 33/00.

A PROCESS FOR PRODUCING A PHYSIOLOGICALLY ACTIVE SUBSTRATE FOR IMPROVING SKIN CONDITION.

Applicant : E—L MANAGEMENT CORPORATION (A DELAWARE CORPORATION) 767 FIFTH AVENUE, NEW YORK, NY 10153, USA.

Inventors :

1. JOSEPH GUBERNICK
2. GHEORGHE CIOCA.

Application No. 1083/Mas/97 filed on 21st May 1997.

Convention date : 21st May 1996, No. 08/646,798, UNITED STATES.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

A process for producing a physiologically active substrate for improving skin condition, comprising : placing a substrate such as herein described within a magnetic vector field having a potential of at least 0.22 Tesla; and exposing said substrate to information energy in the form of electromagnetic radiation in the range from 10^4 Herz to 10^{17} Hertz for a period of upto 3 seconds by known means to obtain the physiologically active substrate for improving skin condition.

(Compl. Specn. 27 Pages;

Drngs. 2 Sheets)

Ind. Class : 83 A, 1 183687
 Int. Cl.⁴ : A 23 L 1/10.

A METHOD OF PREPARING QUICK-COOKING RICE

Applicant : UNCLE BEN'S INC. 5721 HARVEY WILSON DRIVE, HOUSTON, TEXAS 77020, U. S. A., US COMPANY.

Inventors :

- (1) YAH HWA E LIN
- (2) LUC JACOPS.

Application No. : 1389/Mas/97 filed on 24th June 1997.

(Convention No. 08/671 363 on 27-06-1996 in US).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Chennai Branch.

04 Claims

A method of preparing quick-cooking rice, comprising the steps of :

providing parboiled rice grains having a moisture - content between 17 to 35% by weight;

mechanically treating said rice grains by known methods during a milling process to flex the rice grains, the flexing producing a plurality of uniform weblike microfissures on at least a portion of the surface of the grain; and

drying the parboiled rice grains to produce quick-cooking rice.

(Com. Specn. : 56 Pages;

Drwgs. : 16 sheets)

Ind. Cl. : 55 E2 183688
 Int. Cl.⁴ : A 61 K 33/00.

A METHOD OF PRODUCING A FINE GRAIN ANTI MICROBIAL MATERIAL.

Applicant : WESTAIM TECHNOLOGIES INC., A BODY CORPORATE INCORPORATED PURSUANT TO THE LAWS OF ALBERTA, CANADA, BOX 1000, 10101-114 STREET FORT SASKATCHEWAN, ALBERTA T8L 2P2, CANADA.

Inventors :

1. ROBERT EDWARD BURRELL,
2. PRASAD SHRIKRISHNA APTE,
3. KASHMIR SINGH GILL,
4. RODERICK JOHN PRECHT,
5. LARRY ROY MORRIS,
6. CATHERINE LAURIE MCINTOSH,
7. SUDHINDRA BHARAT SANT.

Application No. 1650/Mas/97 filed on 23rd July 1997.

Divisional to Patent Application No. 1089/Mas/92, Antedated to 8-11-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Chennai Branch.

7 Claims

A method of producing a fine grain antimicrobial material such as herein described comprising vapour depositing one or more antimicrobial metals selected from Ag, Au, Pt, Pd, Ir, Sn, Cu, Sb, Bi, and Zn or alloys or compounds of said metals on to a cooled substrate of a crystalline matrix having atoms or molecules of a different material selected from a group of bio compatible metals consisting of Ta, Ti, Nb, B, Hg, Zn, Mo, Si or Al or alloys or compounds of one or of said metals and oxygen, nitrogen, hydrogen, boron, sulphur, halogens, and oxides, nitrides, carbides, borides, sulphides and halides of either or both of said antimicrobial metal and said bio-compatible metal to provide a deposit having a grain size less than 200 nm, the atom or molecules of said different material producing atomic disorder by providing irregularities in the surface topography, inhomogeneities in structure on a nanometer scale due to high concentration of point defects in crystal lattice vacancies, line defects, dislocations, interstitial atoms,

amorphous regions, grain and subgrain boundaries, relative to the normal ordered crystalline state of said antimicrobial metal, thereby producing said fine grain antimicrobial material capable of providing sustained release of ions, atoms, molecules or clusters of atleast one of said antimicrobial material when in contact with an alcohol or water-based electrolyte.

Comp. Specn. 68 pages;

Drgs. 2 sheet.

Int. Cl. : 32 F 2(b)

183689

Int. Cl.⁴ : C 07 D 487/00.

A PROCESS FOR THE PREPARATION OF 1, 2, 4-TRIAZOLO [1, 5-a] PYRIMIDINES.

Applicant : KNOLL AKTIENGESSELLSCHAFT, A GERMAN JOINT STOCK COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, 67061 LUDWIGSHAFEN, GERMAN.

Inventors :

1. NICHOLAS JOHN HOLMAN,
2. STEFAN KOSER.

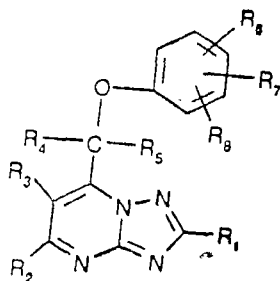
Application No. 1839/Mas/97 filed on 20th August 1997.

Convention Date : 23rd August 1996, No. 961 77 27.4, BRITISH.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch.

14 Claims

1. A process for the preparation of a 1, 2, 4-triazolo [1.5-a], pyrimidine of formula I



and its pharmaceutically acceptable salts, recemates, enantiomers, diastereoisomers and mixtures thereof wherein

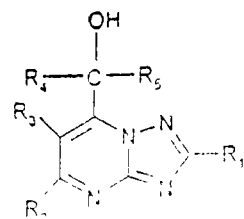
R₁ represent H or one of the following groups (optionally substituted with one or more of halo, cyano, hydroxy or amino): C₁₋₆ alkyl, C₁₋₆ alkoxy or C₁₋₆ alkanoyl;

R₂ and R₃ independently represent H or one of the following groups (optionally substituted with one or more of halo, cyano, hydroxy or amino): C₁₋₆ alkyl, C₁₋₆ alkoxy, C₁₋₆ alkanoyl, C₁₋₆ alkylthio, C₁₋₆ alkylsulphinyl or C₁₋₆ alkylsulphonyl;

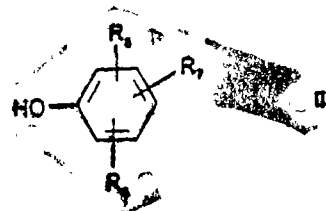
R₄ and R₅ independently represent H. C₁₋₆ alkyl or R₄ and R₅ combined together with the carbon atom to which they are attached represent C₃₋₆ cycloalkylidene (each alkyl or cycloalkylidene being optionally substituted with one or more of halo, cyano, hydroxy, amino or C₁₋₆ alkyl); and

R₆, R₇ and R₈ independently represent H, halo, hydroxy, mercapto, nitro, cyano or one of the following groups (optionally substituted with one or more of halo, cyano, hydroxy or amino; and any nitrogen atom being optionally substituted with one or more C₁₋₆ alkyl); C₁₋₆ alkyl, C₁₋₆ alkanoyl, C₁₋₆ alkoxy, C₂₋₆ alkoxy-carbonyl, carboxy, C₁₋₆ alkanoyl-oxy, C₁₋₆ alkylthio, C₁₋₆ alkylsulphinyl, C₁₋₆ alkylsulphonyl, C₁₋₆ alkylsulphonylamino, sulphonamoyl, carbamoyl, C₂₋₆ alkylcarbamoyl or C₁₋₆ alkanoyl-amino; said process comprising the steps of

(a) reacting an alcohol of formula II



in which R₁, R₂, R₃, R₄ and R₅ are as defined above, with a phenol of formula III



in which R₆, R₇ and R₈ are as defined above, in the presence of an inert diluent and at least one redox couple comprising an oxidising agent selected from di(C₁₋₅ alkyl) azodicarboxylate, di(C₁₋₅ alkyl) azodicarbocamide (N-substituted by R₉ and R₁₀ which may independently represent H or a straight or branched C₁₋₈ alkyl or cyclic C₃₋₈ alkyl group or R₉ and R₁₀ together represent a C₄₋₆ alkylene chain), polymer supported methyl azodicarboxylate, 4-methyl-1, 2, 4-triazolidine-3, 5-dione, dibenzoyl-peroxide, dimethyl ketomalonate and 3-methyl-benzothiazole-2-selone and a reducing agent which is selected from tris (C₁₋₄ alkyl) phosphine, triphenyl-phosphine, tris(3-chlorophenyl)-phosphine, tris(4-chlorophenyl) phosphine, tris (3-methylphenyl)-phosphine, tris (4-methylphenyl) phosphine, tris (3-methoxyphenyl) phosphine, tris(4-methoxyphenyl) phosphine, phenoxydiphenyl phosphine and diphenoxyphenyl-phosphine wherein said reducing agent becomes oxidised;

b) adding a salt selected from a halide, sulphate, nitrate, perchlorate, bicarbonate, carbonate, acetate, citrate or benzoate of a metal selected from an alkali, alkaline earth, group 11b, transition or lanthanide series, to said reaction mixture of

step (a) to form a complex or complexes with said oxidised reducing agent or agents produced in the process, and

(c) separating the resultant complex or complexes from the reaction mixture in a known manner to obtain the compound of the formula I.

Comp. Specn 37 pages;

Drgs. Nil Sheet.

Ind. Cl. : 55 D1, 5E & 123

183690

Int. Cl.⁴ : C 05 G 3/02, C 09-K 17/00.

Applicant : JOE HOMAN, DIRECTOR, EURO COIRS PRIVATE LIMITED, 39/3 NEDUNGULM, ROYAPURAM, SHOLAVANDAN, MADURAI 625214. (A BRITISH CITIZEN).

Inventor : JOE HOMAN.

Application No. 2331/Mas/97 filed on 17th October 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A process for producing a soil conditioner cum slow release bio-pesticidal fertilizer composition comprising the steps of adding at least 20% by weight of powdered neem cake to coir pitch having a moisture content of upto 20% and compressing the same to reduce its volume as desired.

Comp. Specn. 8 Pages;

Drgs. Nil sheet.

Ind. Cl. : 83 A1, 2

183691

Int. Cl.⁴ : A 23 L 1/00.

A PROCESS FOR MANUFACTURING A FOOD PRODUCT.

Applicant : SOCIETE DES PRODUCTS NESTLE S. A., CH-1800 VEVEY, SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

Inventors :

1. PERNIN JACQUES,
2. WANG JUNKUAN.

Application No. 1921/Mas/97 filed on 1st September 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A process for manufacturing a food product comprising :

mixing ingredients comprising a skimmed milk powder, a sugar and a sugared concentrated milk to obtain an ingredient mixture and mixing a lipid composition having a solid content of at least 8% by weight at a temperature of 30°C with the ingredient mixture to obtain a lipid-added mixture comprising from 30% to 60% by weight of fat and from 80% to 90% by weight of dry matter content at a temperature at which the lipid composition has a liquid form;

kneading the lipid-added mixture mechanically, cooling the lipid-added mixture to an ambient temperature and injecting an inert gas into the lipid-added mixture while kneading and cooling to obtain a cooled aerated mixture having a volumetric mass of 500g/l to 1000g/l and a water activity of 0.65 to 0.77.

Comp. Specn. 14 pages;

Drgs. Nil sheet.

Ind. Cl. : 32 F3(a)

183692

Int. Cl.⁴ : C 07 D 311/00.

A PROCESS FOR THE PREPARATION OF OPTICALLY ACTIVE FORMS OF 2, 3-DIARYL-2H-1-BENZOPYRAN.

Applicant : NOVO NORDISK A/S, NOVO ALLE, DK-2880 BAGSVAERD, DENMARK (A DANISH COMPANY) AND CENTRAL DRUG RESEARCH INSTITUTE, CHAT-TAR MANZIL, LUCKNOW-226001, INDIA (AN INDIAN INSTITUTION).

Inventors :

1. KANCHAN HAJELA,
2. JAYA PANDEY,
3. JANAK DULARI DHAR,
4. SUPRABHAT RAY,
5. VIRENDER MOHAN LABROO.

Application No. 1924/Mas/97 filed on 1st September 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A process for the preparation of optically active forms of 2, 3-diaryl-2H-1-benzopyran comprising reacting a racemic 2, 3-diaryl-2H-1-benzopyran derivative of general formula I of the accompanying drawing wherein R¹ and R² which may be the same or different, are each OH, linear or branched chain alkyl or alkoxy of 1 to 17 carbon atoms, linear or branched chain acyloxy of 2 to 18 carbon atoms or a halide group and R₃ is a tertiary amino alkoxy group such as O (CH₂)_nNR⁴R⁵ wherein R⁴ and R⁵ are same or different, linear or branched chain alkyl substituents of 1-18 carbon atoms or a cyclised ring of 2-10 carbon atoms containing the nitrogen atom with a known optically active acid such as herein described in a protic solvent for a period of 0.5 to 12 hrs., evaporating the excess solvent from the reaction mixture to obtain the compound of general formula 2 of the accompanying drawing, wherein R¹, R² & R³ are same as stated above and X denotes said optically active acid anion, subjecting the said compound (2) to alkaline hydrolysis by known methods and subsequent isolation of the optically active 2, 3-diaryl-2H-1-benzopyran by known methods.

Comp. Specn. 11 pages;

Drwg. one sheet.

Ind. Cl. : 83 A2 83 B5, and 83 B6

183693

Int. Cl.⁴ : A 23 C 19/032

A METHOD OF PRODUCING A CHEESE FROM MILK CONTAINING LACTOSE.

Applicant : TETRA LAVAL HOLDINGS & FINANCE S A, 70 AV GENERAL-GUISAN, CH-1009 PULLY, SWITZERLAND, A SWISS COMPANY AND ZUIVELCOOPERATIE COBERCO UA, PIET HEINSTRAT 11, NL-7204 JN ZUTPHEN, NEDERLAND, A NETHERLANDS COMPANY.

Inventors

1. GERT HOLS.
2. GORAN LEUFSTEDT.
3. BORJE BREDAHL.

Application No. 1981/Mas/97 filed on 5th September 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch.

15 Claims

A method of producing a cheese from milk containing lactose comprising the steps of :

- (a) concentrating said lactose containing milk in a known manner to form a retentate

(b) fermenting said retentate by adding a known acid forming mesophilic bacteria thereto

(c) evaporating said fermented retentate

(d) packing said evaporated and fermented retentate in distribution ready consumer packages characterized in that the fermentation step (b) is discontinued by deactivation in a known manner of said acid forming bacteria when the pH level of the fermented retentate is higher than the isoelectric point of case in and that the evaporated retentate of step (c) is further fermented with a known acid forming thermophilic bacteria added immediately prior to or during said packing step (d) to allow the fermentation to proceed inside said package till a Ph of 5-4 is reached depending on the lactose content or said milk to produce cheese.

Compl. Specn 13 Pages;

Drgns. Nil Sheet

Ind. Cl. : 55 F

183694

Int. Cl.⁴ : B 29 C 43/54, A 61 K 9/50

A METHOD OF MICRO ENCAPSULATING A CORE MATERIAL.

Applicant : UNIVERSITY OF DELAWARE, OF NEWARK, DELAWARE 19716-3319, USA, AN UNIVERSITY INCORPORATED IN THE STATE OF DELAWARE, USA.

Inventors :

- (1) ANNETTE DUDEK SHINE.
- (2) JACK GELB JR.

Application No. 2015/Mas/97 filed on 10th September 1997.

(Convention No. 08/727,154 on 08-10-96 in US).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch. GS

45 Claims

A method for microencapsulating a core material comprising :

- (a) mixing a core material such as herein described with a known microencapsulating polymer,
- (b) supplying a supercritical fluid such as herein described capable of swelling the polymer under a temperature and a pressure sufficient to maintain the fluid in a supercritical state either before or after the addition of said core material thereto,
- (c) mixing the supercritical fluid to penetrate and liquify the polymer, without dissolving the polymer, while maintaining temperature and pressure sufficient to maintain the fluid in a supercritical state, and
- (d) releasing the pressure sufficiently to gasify the supercritical fluid and to solidify the polymer around said core material to form a microcapsule.

Compl. Specn. : 31 Pages;

Drgns. : 02 Sheets.

Ind. Cl. : 83 A1

183695

Int. Cl.⁴ : A 23 G 1/00

A PROCESS FOR THE PREPARATION OF CHOCOLATE.

Applicant : SOCIETE DES PRODUITS NESTLE S.A., P.O. BOX 353, 1800 VEVEY, SWITZERLAND. A COMPANY INCORPORATED IN SWITZERLAND.

Inventors :

1. HELMUT TRAITLER
2. ERICH J. WINDHAB
3. BEITINA WOLF.

Application No. 2026/Mas/97 filed on 11th September 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A process for the preparation of chocolate or the like characteristically with a high water content, in which water is in a dispersed phase in the form of micro-droplets in a continuous fatty phase, containing crystallized sugars, comprising the following steps :

- (a) a water in oil emulsion base is prepared under medium stirring in the presence of an emulsifier,
- (b) a fine emulsion is created by rapid stirring,
- (c) a molten mass of chocolate and the like confectionery is added to the said fine emulsion under slow to medium stirring, so that destruction of the water in oil structure of the emulsion is substantially avoided as well as contact between the sugar components and the non fat cocoa solids on the one end, and the dispersed aqueous phase on the other end, to form agglomerates and
- (d) the high water content chocolate so obtained is thereafter solidified by crystallization in weak turbulent conditions and at a controlled temperature such as herein described and thereafter processing the chocolate in a manner known per se.

Compl. Specn. 20 Pages;

Drgns. Nil Sheet.

Ind. Cl. : 32 F1

183696

Int. Cl.⁴ : C 07 C 43/00

A PROCESS FOR THE SYNTHESIS OF THE BACTERIOSTAT 2, 4, 4'-TRICHLORO-2-HYDROXY DIPHENYL ETHER (TRICLOSAN) FORM 2, 4-DICHLOROPHENOL.

Applicant : VIVIMED LABS LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE, 78A KOLHAR INDUSTRIAL AREA, BIDAR, KARNATAKA, INDIA.

Inventors :

1. SUBHASH VARALWAR
2. VADUPU SATYANARAYANA
3. DESHPANDE SATISH CHANDRA.

Application No. 2193/Mas/1997 filed on 3rd October 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch.

2 Claims

A process for the synthesis of the bacteriostat 2, 4, 4'-trichloro-2'-hydroxy diphenyl ether (triclosan) from 2, 4-dichloro phenol comprising of following steps in sequence :

- (i) reacting 2, 4-dichloro phenol with 2, 5-dichloro nitro benzene in the presence of an aqueous alkali at 130 to 140°C; to obtain 2, 4, 4'-trichloro-2-nitro diphenyl ether;
- (ii) reducing said 2, 4, 4'-trichloro-2-nitrodiphenyl ether with iron, acetic acid and water in xylene at 95 to 105°C; to produce 2, 4, 4'-trichloro-2'-aminodiphenyl ether;
- (iii) diazotising 2, 4, 4'-trichloro-2'-aminodiphenyl ether with nitroacyl sulphuric acid (NOHSO₄) at 65 to 70°C;

the nitrosyl sulphuric acid being prepared in situ by reacting sodium nitrite with excess sulphuric acid (60 to 70% excess) at 10–15°C;

(iv) hydrolysing the diazotised mass with water and sulphuric acid at 185–190°C, cooling said hydrolysed mass to 80 to 90°C, extracting the 2, 4, 4'-trichloro-2'-hydroxydiphenyl ether with xylene at 80 to 90°C, separating the organic layer at 80 to 90°C followed by cooling to room temperature and washing with water, treating said organic layer with an aqueous alkali at 60 to 70°C, adjusting the pH of the extract to 6.5 to 7.0 with hydrochloric acid distilling out the fraction containing 2, 4, 4'-trichloro-2'-hydroxy diphenyl ether from the extract at 180 to 200°C at reduced pressure at 2–4 mm Hg; and

(v) purifying said fraction containing 2, 4, 4'-trichloro-2'-hydroxy diphenyl ether by dissolving in a mixture of methanol and normal hexane and treating with activated carbon at 50 to 55°C, filtering and cooling said solution to 5 to 10°C, to separate solids of 2, 4, 4'-trichloro-2'-hydroxydiphenyl ether therefrom washing said solids with chilled methanol and hexane mixture and drying the solids at 30 to 35°C.

Compl. Specn. 14 Pages;

Drgns. Nil Sheet.

Ind. Cl. : 83 A₁

183697

Int. Cl.⁴ : A 23 C 1/00, 1/48

A PROCESS FOR PREPARING A SEMI-FLUID SEASONING.

Applicant : CPC INTERNATIONAL INC, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, INTERNATIONAL PLAZA, 700 SYLVAN AVENUE ENGLEWOOD CLIFFS, NEW JERSEY 07632, U.S.A.

Inventors :

1. CLAUDIA AMMEDICK-NAUMANN.
2. KLAUS BEZNER.
3. DR. HANS BOHRMANN.
4. JURGEN CARL.

Application No. 2222/Mas/1997 filed on 07th October 1997.

Convention Date : 08-10-1996, No. 19641416.4, German.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A process for preparing a semi-fluid oil in water emulsion seasoning comprising the steps of admixing water with vegetable or fruit powder in a finely divided form containing cell wall and/or fiber which is not completely soluble in the water phase to make a first mixture followed by admixing said first mixture with edible starch and edible oil.

Compl. Specn. 9 Pages;

Drgns. Nil Sheet.

Ind. Cl. : 70 C 5, 201 D

183698

Int. Cl.⁴ : A 23 C 9/20

A PROCESS FOR PRODUCING DEMINERALISED MILK PRODUCTS.

Applicant : SOCIETE DES PRODUITS NESTLE S.A., P.O. BOX 353, 1800 VEVEY, SWITZERLAND. A SWISS COMPANY.

Inventors :

1. MICHEL CHAVERON.
2. RAFAEL BERROCAL.

Application No. 2231/Mas/1997 filed on 08th October 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A process for producing demineralised milk products such as herein described to the exclusion of sweet whey from cheese manufacture, wherein a liquid raw material of milk origin such as herein described is electrodeionised by passing through an apparatus comprising dilution and concentration compartments, said dilution compartments containing resin beads consisting of a strongly cationic resin either alone or in admixture with a weakly anionic resin when said raw material is other than milk or concentrated milk, said dilution compartment containing resin beads consisting of a mixture of a cationic resin, and a weakly anionic resin when said raw material is milk or concentrated milk, said concentrated compartments either (1) do not contain any resin, (2) contain resin beads consisting of a mixture of a cationic resin and a weakly anionic resin, or (3) contain strongly cationic resin beads. the pH of the concentration compartment is adjusted to a value of less than 5, to demineralise said raw material of milk origin, and to recover said demineralised milk product therefrom in a known manner.

Compl. Specn. 21 Pages;

Drgns. 1 Sheet.

Ind. Cl. : 32 F 2 (b)

183699

Int. Cl.⁴ : C 07 D 213/56

A PROCESS FOR PREPARING NICOTINAMIDE FROM 3-PICOLINE.

Applicant : LONZA AG, GAMBLE/WALLIS, GESCHAFTSLEITUNG, 4002 BASEL, SWITZERLAND. A SWISS COMPANY.

Inventors :

1. DR. JOSEF HEVELING.
2. DR. ERICH ARMBUSTER.
3. DR. LUKAS UTIGER.
4. DR. MARKUS ROHNER.
5. DR. HANS-RUDOLF DETTWILER.
6. DR. RODERICK JOHN CHUCK.

Application No. 2766/Mas/97 filed on 3rd December 1997.

Divisional to Patent Application No. 1803/Mas/96, Antidated to 11th October 1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A Process for preparing nicotinamide from 3-picoline wherein an oxygen containing gas is passed over 3-picoline in the presence of ammonia at 280–400°C over an ammonoxidation catalyst comprising the oxides of vanadium, titanium, zirconium and molybdenum in a molar ratio of V₂O₅ to TiO₂.

to ZrO_2 of from 1:1:2 to 1:12:25 and having an MoO_3 content, based on V_2O_5 , of from 0.54% by weight to 2.6% by weight and the resulting 3-cyanopyridine is subsequently treated with microorganisms of the genus *Rhodococcus* in a known culture medium under known conditions with subsequent extraction of nicotinamide from the culture medium by known means.

Compl. Specn. 17 Pages;

Drgns. Nil Sheet.

Ind. Cl. : 32 F2b

183700

Int. Cl. : C 07 D 417/00.

PROCESS FOR THE PREPARATION OF NOVEL POLYMORPHIC FORM-6 OF TROGLITAZONE HAVING ENHANCED ANTI-DIABETIC ACTIVITY.

Applicant : DR. REDDY'S RESEARCH FOUNDATION, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT 7-1-27, AMEERPET, HYDERABAD-500016, AP., INDIA.

Inventors :

1. KRISHNAMURTHI VYAS.
2. CHEBIYYAM PRABHAKAR.
3. DHARMARAJA SREENIVAS RAO.
4. NAMILLAPALLI RAMABHADRA SARMA.
5. DADDAM OM REDDY.

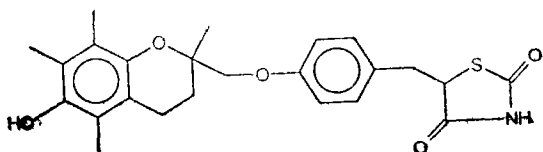
Application No. 2799/Mas/1997 filed on 9th December 1997.

Divisional to Patent Application No. 276/Mas/96, Anti-dated to : 15-5-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch.

5 Claims

1. The process for the preparation of novel polymorphic Form-6 of Troglitazone having the formula I,



(I)

which is characterized by the data described hereunder.

Differential Scanning Calorimeter : Endotherm at 105.4°C (onset at 94.8°C).

X-ray powder diffraction (2θ): 5.36, 8.54, 10.24, 10.70, 11.24, 12.48, 12.68, 15.58, 18.84, 19.48, 19.74, 20.58, 21.38, 21.56, 22.18

Infrared absorption bands (cm^{-1}) : 3634(w), 3514(w), 3176(w), 3060(w), 2930(w), 1753(m), 1686(s), 1610(w), 1512(s), 1459(w), 1418(w), 1380(w), 1335(m), 1300(m), 1253(s), 1164(s), 1106(w), 1087(w), 1058(w), 1048(w), 937(w), 828(m), 723(w), 673(w), 606(w), 568(w), 515(w)

w=weak, m=medium, s=strong

which comprises

- (i) synthesizing Troglitazone, in crude form employing known methods.
- (ii) subjecting the crude Troglitazone obtained in step (i) to column chromatography to obtain a partially

purified Troglitazone having HPLC purity in the range of 60—70%.

- (iii) dissolving the partially purified Troglitazone obtained in step (ii) in an organic polar and/or medium polar solvent and adding a non-polar solvent to the resulting solution,
- (iv) cooling the resulting solution rapidly to ~ 50°C at a rate of 10°C/minute and maintaining the temperature at ~ 50°C for a period of 10—16 h to produce the polymorphic Form-6 of Troglitazone and,
- (v) isolating the polymorphic Form-6 of Troglitazone by conventional methods.

Compl. Specn. 14 Pages;

Drgns. 26 Sheets.

CLAIM UNDER SECTION 20 (1) OF THE PATENT ACT, 1970

The Claim made by "M/s. Kvaerner Technology & Research Limited" in connection with Patent Application No. 924/Mas/93 (182066) has been allowed.

The amendments proposed by M/s. Kvaerner Engineering A. S. Lysaker, Norway in Respect of Patent Application No. 924/Mas/93 (182066) as advertised in Part III Section 2 of the Gazette of India dated 09-10-99 and no opposition being filed within the stipulated period the said amendments have been allowed.

OPPOSITION PROCEEDINGS

An opposition entered by M/s. Bajaj Auto Limited, Pune to the grant of a patent to the application No. 181791 (222/Mas/93) has been dismissed and the application for patent has been ordered to proceed for sealing.

An opposition has been entered by M/s. Tea Research Association, Calcutta to the grant of a patent on application No. 183116 (492/Cal/95) dated 2nd May, 1995 made by Yoshimi Matsumoto, Japan.

CESSATION OF PATENTS

172802 172812 172828 172837 172880 172897 172918 172919
172946 172953 173011 173016 173044 173050 173051 173079
173088 173112 173122 173158 173162 173213 173218 173228
173243 173254 173255 173261 173267 173277 173283 173353
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RENEWAL FEES PAID

180919 180920 178865 180198 168137 171244 175348 176702
177177 177695 179776 169505 175575 175808 176558 177674
178832 178932 171248 167666 169257 170912 175717 176604
178376 180197 176418 174266 174722 174723 176062 176840
180203 172044 172086 172497 180333 182440 178396 174639
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176717 180314 180744 182328 168198 177697 174185 174806
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 179741 177536 179947 181329 173586 178368 175922 182339
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 182669 178827 179748 176282 170723 182534

PATENT SEALED ON 18-02-2000

179817 182901* 182902 182906 182907*D 182908*D
 182909*D 182911 182912* 182913* 182914* 182915*
 182916*D 182917*D 182918*D 182919*D 182920*D 182921
 182922 182923 182924 182926 182927 182928 182930

CAL—15, DEL—10, MUM—NIL, CHEN—NIL

*Patent shall be deemed to be endorsed with words
 LICENCE OF RIGHT Under Section 87 of the Patents Act,
 1970 from the date of expiration of three years from the date
 of sealing.

D—Drug Patents.

F—Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not
 open to inspection for a period of two years from the date of
 registration except as provided for in Section 50 of the
 Designs Act, 1911.

The date shown in the each entries is the date of regis-
 tration included in the entries.

Class 10. Nos. 180068 to 180071, Nikhil Footwears Ltd.,
 G-11, Udyog Nagar, Main Rohtak Road, Delhi-
 110041, India, "SOLE OF FOOTWEAR", 9th
 August 1999.

Class 1. No. 180081, Remi Udyog, an Indian partnership
 firm having its registered office at 52, Mittal
 Court A, Nariman Point, Mumbai-400021,
 Maharashtra State, India, "WALL FAN", 10th
 August 1999.

Class 3. No. 180080, Remi Udyog, an Indian partnership
 firm having its registered office at 52, Mittal
 Court A, Nariman Point, Mumbai-400 021,
 Maharashtra State, India, "CEILING FAN",
 10th August 1999.

Class 3. No. 179907, Patel Appliances (India), a registered
 partnership firm at C/o. Mahesh N. Patel, B/8,
 Patel Society, Nehru Road, Vile Parle (E),
 Mumbai-400057, Maharashtra, India, "GAS
 LIGHTER", 14th July 1999.

Class 3. Nos. 180151 & 180152, Patel Appliances (India), a
 registered partnership firm at C/o. Mahesh N.
 Patel, B/8, Patel Society, Nehru Road, Vile
 Parle (E), Mumbai-400057, Maharashtra, India,
 "GAS LIGHTER", 11th August 1999.

Class 10. No. 180190, Bata India Ltd., an Indian company,
 6A, S. N. Banerjee Road, Calcutta-700013, West
 Bengal, India, "FOOTWEAR", 17th August
 1999

Class 10. No. 180767, Bata India Ltd., an Indian company,
 6A, S. N. Banerjee Road, Calcutta-700013, W.
 Bengal, India, "FOOTWEAR", 10th November,
 1999.

Class 1. Nos. 180186 & 180187, Telefonica S. A., a spanish
 company of Gran Via, 28, 28013 Madrid, Spain,
 "TELEPHONE SUPPORT", 17th August 1999.

Class 1. Nos. 180157 to 180162, Department of Science &
 Technology, Technology Bhawan, New Mehrauli
 Road, New Delhi-110016, India, "GAS STOVE",
 12th August 1999.

DR. S. K. PAL

Asstt. Contoller of Patents & Designs

प्रबन्धक, भारत सरकार मन्त्रालय, फरीदाबाद द्वारा मुद्रित
 एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशन, 2000

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